

**PORTABLE PRESSURIZED GAS SUPPLY APPARATUS
FOR PNEUMATIC EQUIPMENT**

ABSTRACT OF THE DISCLOSURE

[0030] A portable gas supply apparatus comprises first and second storage tanks, a first pressure reducing device, a manifold and a first pneumatic connector fitting. The first storage tank includes an internal cavity for holding a supply of a pressurized fluid at a relatively high pressure, and is thermally uninsulated such that the pressurized fluid therewithin remains at ambient temperature. The first pressure reducing device has an inlet in fluid communication with the internal cavity of the first storage tank and an outlet. The first pressure reducing device reduces the pressure of fluid flowing therethrough from the relatively high pressure at the inlet to a first relatively lower pressure at the outlet. The manifold has a plurality of manifold connection points in fluid connection with one another. A first of the manifold connection points is in fluid communication with the outlet of the first pressure reducing device. The second storage tank has an internal cavity for holding pressurized fluid at the first relatively lower pressure, and the internal cavity is in fluid communication with a second of the manifold connection points. The first pneumatic connector fitting is in fluid communication with a third of the manifold connection points. When a pressurized fluid is stored in the first storage tank at the relatively high pressure, a pneumatic tool connected to the first pneumatic connector fitting is provided with pressurized gas at the first relatively lower pressure.